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(54) Title: METHOD OF BONE CEMENT PREPARATION

(57) Abstract

The invention relates to a method of bone cement preparation from a polymeric powder and a liquid component, comprising a polymerisable monomer or comonomer by the action of a catalytic system. The particles of said powder component are packed in a powder container (7) with an inlet port (8) and an outlet port (9) and the liquid component is held in a liquid container (11). The liquid container (11) is connected to said inlet port (8) and a vacuum source (10) is connected to said outlet port (9). The void space between said particles of said powder component is flooded by said liquid component, flowing from said inlet port (8) in the direction of said outlet port (9) by the action of the vacuum source (10). The invention allows for preparation of a pore-free, mechanically superior bone cement, in a closed system that requires minimal human intervention, and delivers a consistent, operator-independent performance.

